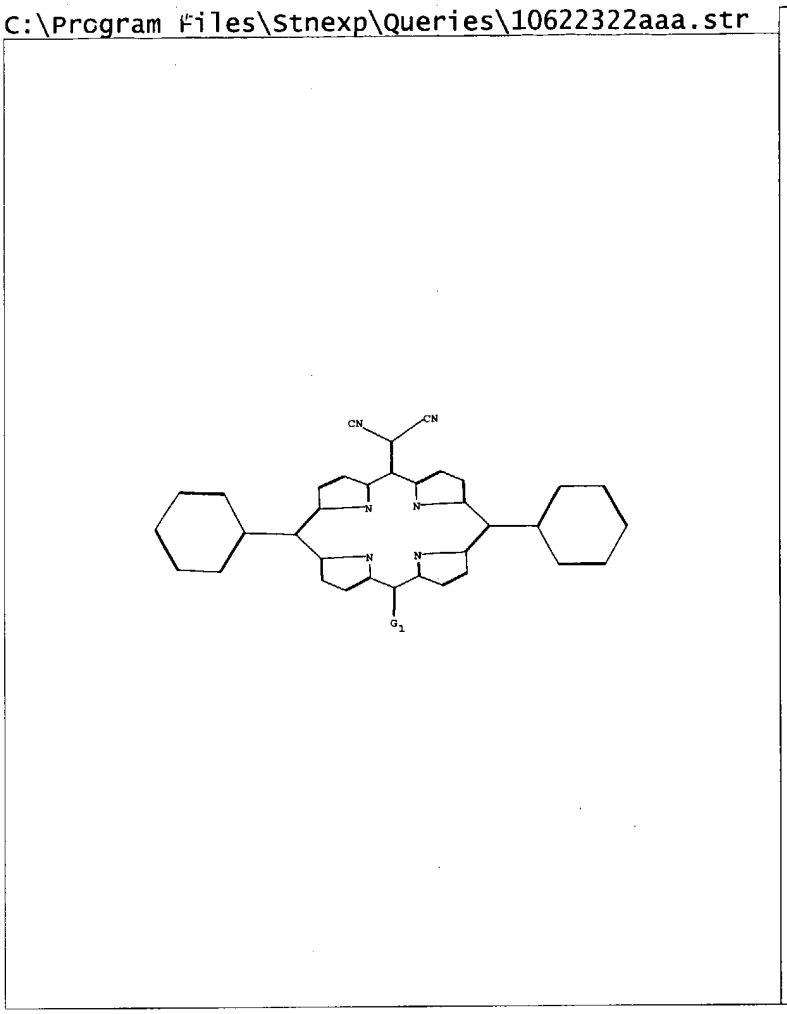
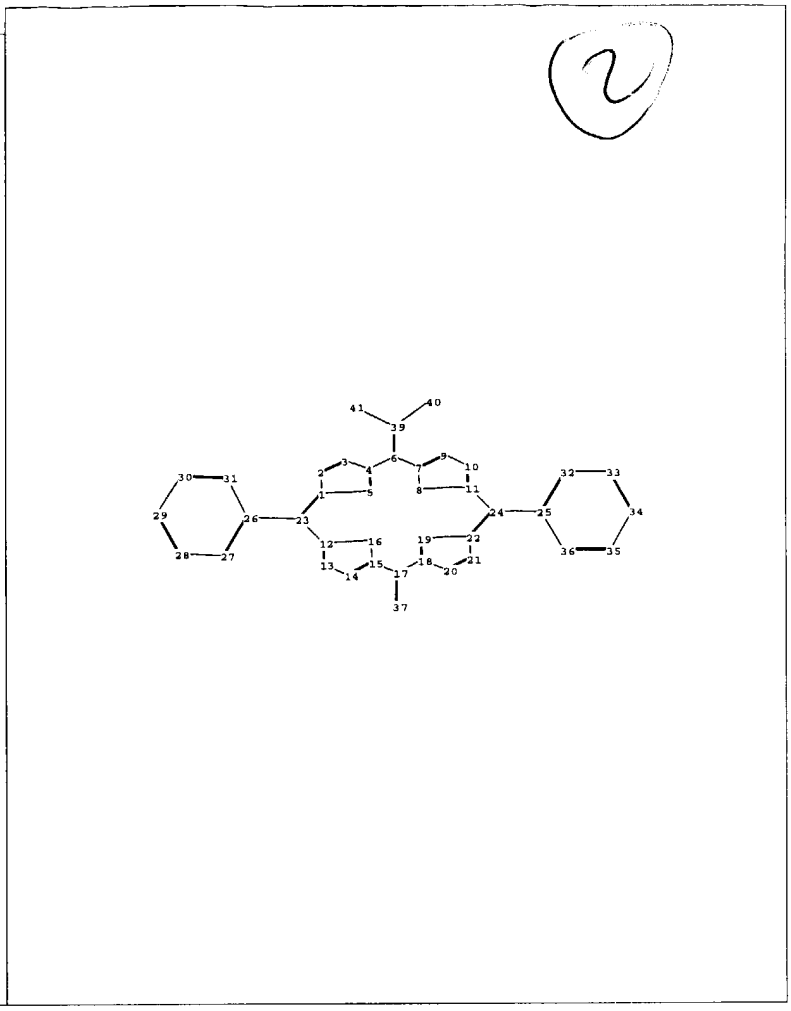
C:\Program Files\Stnexp\Queries\10622322aaa.str





chain nodes :
37 39 40 41
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 32 33 34 35 36
chain bonds :
6-39 17-37 23-26 24-25 39-40 39-41
ring bonds :
1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11 11-24 12-13 12-16
12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22 20-21 21-22 22-24 25-32
25-36 26-27 26-31 27-28 28-29 29-30 30-31 32-33 33-34 34-35 35-36
exact/norm bonds :
1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11 11-24 12-13 12-16
12-23 13-14 14-15 15-16 15-17 17-18 17-37 18-19 18-20 19-22 20-21 21-22 22-24
exact bonds :
6-39 23-26 24-25 39-40 39-41
normalized bonds :
25-32 25-36 26-27 26-31 27-28 28-29 29-30 30-31 32-33 33-34 34-35 35-36

G1:C,O

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom
32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 39:CLASS 40:CLASS 41:CLASS

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 10:11:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     10 TO ITERATE

100.0% PROCESSED      10 ITERATIONS                                 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           11 TO      389
PROJECTED ANSWERS:               1 TO       80

L2             1 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 10:11:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    154 TO ITERATE

100.0% PROCESSED     154 ITERATIONS                                 7 ANSWERS
SEARCH TIME: 00.00.01

L3             7 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     155.42     155.63

FILE 'CAPLUS' ENTERED AT 10:11:32 ON 31 MAR 2004
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 31 Mar 2004  VOL 140 ISS 14
FILE LAST UPDATED: 30 Mar 2004  (20040330/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

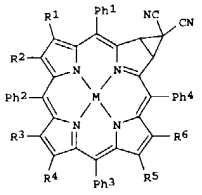
=> s l3
L4             3 L3

=> d ibib abs hitstr tot
```

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:742098 CAPLUS
DOCUMENT NUMBER: 133:296323
TITLE: Process for modifying polypyrrolic macrocycles via 1,3-dipolar cycloadditions
INVENTOR(S): MacAlpine, Jill; Dolphin, David; Sternberg, Ethan D.
PATENT ASSIGNEE(S): THE University of British Columbia(UBC), Can.
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061585	A2	20001019	WO 2000-IB615	20000414
WO 2000061585	A3	20010201		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6620929	B1	20030916	US 2000-551160	20000414
US 2004019201	A1	20040129	US 2003-622322	20030717

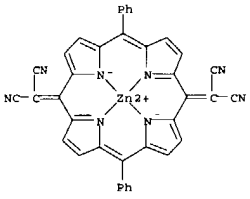
PRIORITY APPLN. INFO.: US 1999-129324P P 19990414
US 2000-551160 A1 20000414
OTHER SOURCE(S): CASREACT 133:296323; MARPAT 133:296323
GI



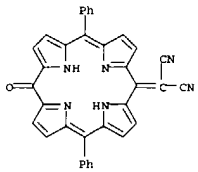
I

AB Methods of modifying polypyrrolic macrocycles by use of a 1,3-dipolar cycloaddn. to produce compds. for further derivatization to produce photosensitizing agents (I) [M = 2H, Ni(II), Cu(II), Zn, Sn, Ge, Si, Ga,

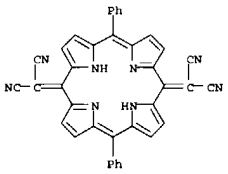
L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
κN21,κN22,κN23,κN24)bis[propanedinitrilato]](2-)]-, (SP-4-1)- (9CI) (CA INDEX NAME)



L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
Al, Mn(III), Gd(III), In, Tc; R1-R6 = independently H, alkyl, alkylcarboxylic acid or ester, =O, OH, NO2, NH2; taken together with another ring, ring substituent or meso substituent = fused 5- or 6-membered ring; Ph1-Ph4 independently = H, (un)substituted alkyl, (un)substituted aryl, (un)substituted cycloalkyl, may be same or different] of interest is described.
IT **301300-67-4P 301300-68-5P 301545-80-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(process for modifying polypyrrolic macrocycles via 1,3-dipolar cycloaddns.)
RN 301300-67-4 CAPLUS
CN Propanedinitrile, (15-oxo-10,20-diphenyl-21H,23H-porphin-5(15H)-ylidene)-(9CI) (CA INDEX NAME)



RN 301300-68-5 CAPLUS
CN Propanedinitrile, 2,2'-(10,20-diphenyl-21H,23H-porphine-5,15-diylidene)bis-(9CI) (CA INDEX NAME)



RN 301545-80-2 CAPLUS
CN Zinc, [[2,2'-(10,20-diphenyl-21H,23H-porphine-5,15-diylidene-

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:359162 CAPLUS
DOCUMENT NUMBER: 133:83372
TITLE: Synthesis and crystal structure of a cumulenic quinoidal porphyrin dimer with strong electronic absorption in the infrared
AUTHOR(S): Blake, Iain M.; Rees, Leigh H.; Claridge, Tim D. W.; Anderson, Harry L.
CORPORATE SOURCE: Department of Chemistry, Dyson Perrins Laboratory, University of Oxford, Oxford, OX1 3QY, UK
SOURCE: Angewandte Chemie, International Edition (2000), 39(10), 1818-1821
CODEN: ACIEF5; ISSN: 1433-7851
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

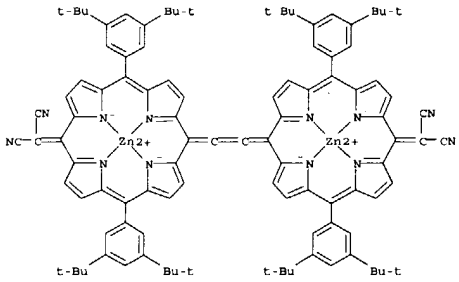
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The cumulenic porphyrin dimer I (R = 2,6-bis(tert-butyl)phenyl) was prepared in 34 % yield by Pd/Cu catalyzed Takahashi coupling of the dibromoporphyrin dimer II (R = 2,6-bis(tert-butyl)phenyl) with the malononitrile anion followed by oxidation with N-iodosuccinimide. It was also encouraging to attempt the preparation of a shorter quinoidal porphyrin IV (R = 2,6-bis(tert-butyl)phenyl) by first preparing the meso-meso linked dibromo dimer III (R = 2,6-bis(tert-butyl)phenyl). IV was prepared in 36 % yield. The electronic absorption of I and IV illustrate the amazing increase in conjugation accompanying quinoidalization. I·2C5H5N was characterized by single crystal x-ray diffraction anal. The compds. were all characterized by NMR and UV-visible spectra.
IT **278807-38-8P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and crystal structure of)
RN 278807-38-8 CAPLUS
CN Zinc, [μ-[[2,2'-[1,2-ethenediylidenebis[10,20-bis[3,5-bis(1,1-dimethylethyl)phenyl]-21H,23H-porphine-15,5-diylidene-κN21,κN22,κN23,κN24]]]bis(propanedinitrilato)](4-)]di-, compd. with pyridine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 278807-33-3
CMF C104 H100 N12 Zn2
CCI CCS

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

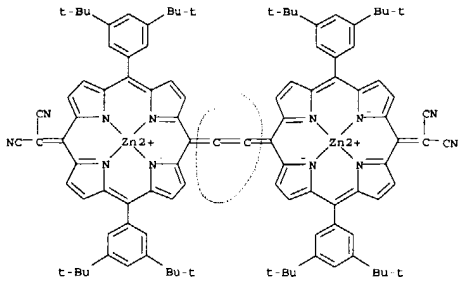


CM 2

CRN 110-86-1
CMF C5 H5 N

IT **278807-33-3P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation, mol. structure and NMR of)
RN 278807-33-3 CAPLUS
CN Zinc, [μ-[[2,2'-[1,2-ethenediylidenebis[10,20-bis[3,5-bis(1,1-dimethylethyl)phenyl]-21H,23H-porphine-15,5-diylidene-κN21,κN22,κN23,κN24]]bis[propanedinitrilato]](4-)]]di- (9CI) (CA INDEX NAME)

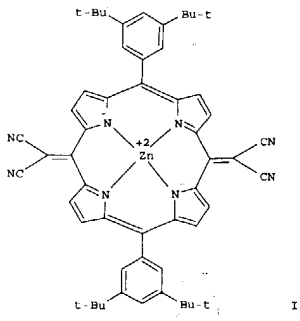
L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:630177 CAPLUS
DOCUMENT NUMBER: 129:330586
TITLE: Synthesis, Crystal Structure, and Electronic Structure of a 5,15-Dialkylideneporphyrin: A TCNQ/Porphyrin Hybrid
AUTHOR(S): Blake, Iain M.; Anderson, Harry L.; Beljonne, David; Bredas, Jean-Luc; Clegg, William
CORPORATE SOURCE: Department of Chemistry, University of Oxford Dyson Perrins Laboratory, Oxford, OX1 3QY, UK
SOURCE: Journal of the American Chemical Society (1998), 120(41), 10764-10765
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 129:330586
GI



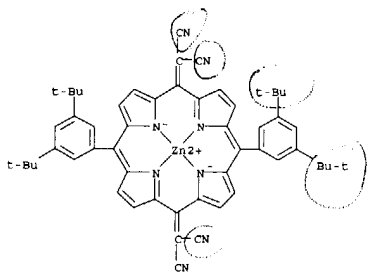
I

AB The authors describe the synthesis, crystal structure and electronic structure of a 5,15-dialkylideneporphyrin (I) - a TCNQ/porphyrin hybrid.
IT **215313-79-4P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure; synthesis, crystal structure, and electronic structure of a 5,15-dialkylideneporphyrin - a TCNQ/porphyrin hybrid)
RN 215313-79-4 CAPLUS
CN Zinc, [[2,2'-[10,20-bis[3,5-bis(1,1-dimethylethyl)phenyl]-21H,23H-porphine-5,15-diylidene-κN21,κN22,κN23,κN24]bis[propanedinitrilato]](2-)]-, (SP-4-1)-, compd. with pyridine (1:1) (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

CM 1

CRN 215313-77-2
CMF C54 H50 N8 Zn
CCI CCS

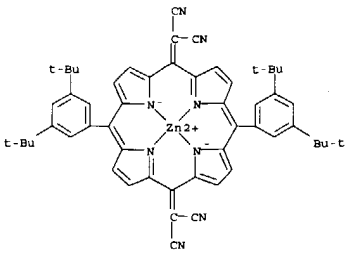


CM 2

CRN 110-86-1
CMF C5 H5 N

IT **215313-77-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis, crystal structure, and electronic structure of a 5,15-dialkylideneporphyrin- a TCNQ/porphyrin hybrid)
RN 215313-77-2 CAPLUS
CN Zinc, [[2,2'-[10,20-bis[3,5-bis(1,1-dimethylethyl)phenyl]-21H,23H-porphine-5,15-diylidene-κN21,κN22,κN23,κN24]bis[propanedinitrilato]](2-)]-, (SP-4-1)- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

(1)

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:13:33 ON 31 MAR 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 09:13:41 ON 31 MAR 2004
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STRUCTURE FILE UPDATES: 30 MAR 2004 HIGHEST RN 669048-54-8
DICTIONARY FILE UPDATES: 30 MAR 2004 HIGHEST RN 669048-54-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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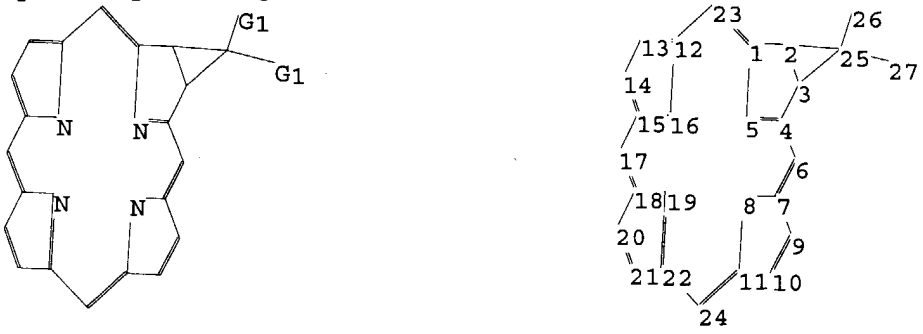

chain nodes :
26 27

Habte 03/31/2004

ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25
chain bonds :
25-26 25-27
ring bonds :
1-2 1-5 1-23 2-3 2-25 3-4 3-25 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11
11-24 12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
20-21 21-22 22-24
exact/norm bonds :
1-2 2-3 2-25 3-4 3-25 7-8 8-11 12-16 15-16 18-20 20-21 21-22 25-26
25-27
normalized bonds :
1-5 1-23 4-5 4-6 6-7 7-9 9-10 10-11 11-24 12-13 12-23 13-14 14-15
15-17 17-18 18-19 19-22 22-24
isolated ring systems :
containing 1 :

G1:CH2,CN

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS 27:CLASS

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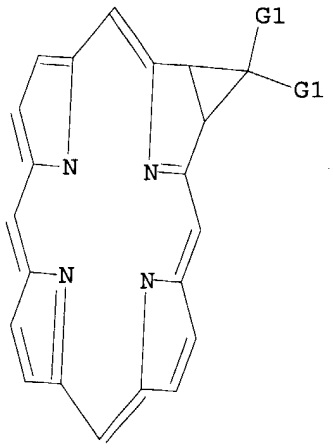
L1 HAS NO ANSWERS
L1 STR



G1 CH2,CN

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -      4 TO ITERATE

100.0% PROCESSED       4 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            4 TO      200
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 09:14:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    123 TO ITERATE

100.0% PROCESSED     123 ITERATIONS                                1 ANSWERS
SEARCH TIME: 00.00.01

L3             1 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   155.42     155.63

FILE 'CAPLUS' ENTERED AT 09:14:16 ON 31 MAR 2004
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FILE COVERS 1907 - 31 Mar 2004  VOL 140 ISS 14
FILE LAST UPDATED: 30 Mar 2004  (20040330/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> s l3
L4             1 L3

=> d ibib abs hitstr
```

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:742098 CAPLUS
DOCUMENT NUMBER: 133:296323
TITLE: Process for modifying polypyrrolic macrocycles via 1,3-dipolar cycloadditions
INVENTOR(S): MacAlpine, Jill; Dolphin, David; Sternberg, Ethan D.
PATENT ASSIGNEE(S): THE University of British Columbia(UBC), Can.
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061585	A2	20001019	WO 2000-IB615	20000414
WO 2000061585	A3	20010201		
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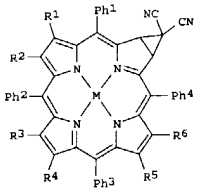
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6620929	B1	20030916	US 2000-551160	20000414
US 2004019201	A1	20040129	US 2003-622322	20030717
PRIORITY APPLN. INFO.:			US 1999-129324P P	19990414
			US 2000-551160 A1	20000414

OTHER SOURCE(S): CASREACT 133:296323; MARPAT 133:296323
GI



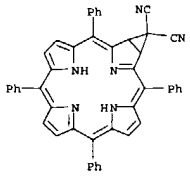
I

AB Methods of modifying polypyrrolic macrocycles by use of a 1,3-dipolar cycloaddn. to produce compds. for further derivatization to produce photosensitizing agents (I) [M = 2H, Ni(II), Cu(II), Zn, Sn, Ge, Si, Ga, Al, Mn(III), Gd(III), In, Tc; R1 R6 = independently H, alkyl, alkylcarboxylic acid or ester, =O, OH, NO2, NH2; taken together with another ring, ring substituent or meso substituent = fused 5- or 6-membered ring; Ph1-Ph4 independently = H, (un)substituted alkyl, (un)substituted aryl, (un)substituted cycloalkyl, may be same or different] of interest is described.

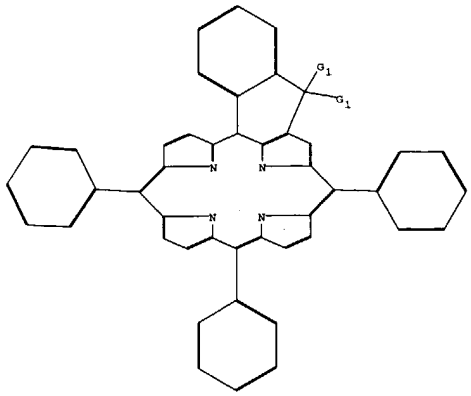
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

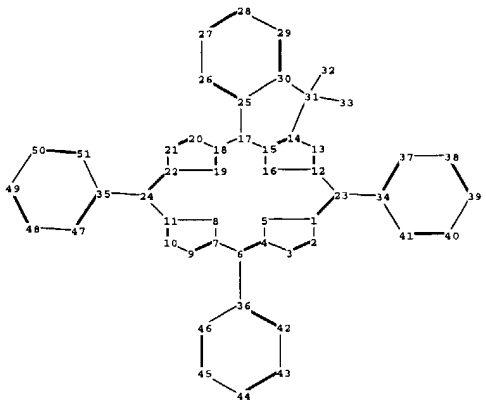
IT **301300-66-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(process for modifying polypyrrolic macrocycles via 1,3-dipolar cycloaddns.)

RN 301300-66-3 CAPLUS
CN 1H,20H,22H-Cyclopropa[b]porphine-1,1-dicarbonitrile, 20,22-didehydro-1a,19a,21,23-tetrahydro-3,8,13,18-tetraphenyl- (9CI) (CA INDEX NAME)



C:\Program Files\Stnexp\Queries\10622322ab.str





chain nodes :
32 33
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
26 27 28 29 30 31 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
51
chain bonds :
6-36 23-34 24-35 31-32 31-33
ring bonds :
1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11 11-24 12-13 12-16
12-23 13-14 14-15 14-31 15-16 15-17 17-18 17-25 18-19 18-20 19-22 20-21 21-22
22-24 25-26 25-30 26-27 27-28 28-29 29-30 30-31 34-37 34-41 35-47 35-51 36-42
36-46 37-38 38-39 39-40 40-41 42-43 43-44 44-45 45-46 47-48 48-49 49-50 50-51
exact/norm bonds :
1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11 11-24 12-13 12-16
12-23 13-14 14-15 14-31 15-16 15-17 17-18 17-25 18-19 18-20 19-22 20-21 21-22
22-24 30-31 31-32 31-33
exact bonds :
6-36 23-34 24-35
normalized bonds :
25-26 25-30 26-27 27-28 28-29 29-30 34-37 34-41 35-47 35-51 36-42 36-46 37-38
38-39 39-40 40-41 42-43 43-44 44-45 45-46 47-48 48-49 49-50 50-51

G1:CH2,CN,COOH

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom
32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:Atom
42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:Atom 49:Atom 50:Atom 51:Atom

```
L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1
SAMPLE SEARCH INITIATED 10:39:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    515 TO ITERATE

100.0% PROCESSED     515 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         8939 TO    11661
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 10:39:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  10146 TO ITERATE

100.0% PROCESSED   10146 ITERATIONS                              0 ANSWERS
SEARCH TIME: 00.00.01

L3            0 SEA SSS FUL L1

=> log y
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             155.42     155.63

STN INTERNATIONAL LOGOFF AT 10:39:56 ON 31 MAR 2004
```

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:38:55 ON 31 MAR 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:39:09 ON 31 MAR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 MAR 2004 HIGHEST RN 669048-54-8
DICTIONARY FILE UPDATES: 30 MAR 2004 HIGHEST RN 669048-54-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10622322ab.str

L Number	Hits	Search Text	DB	Time stamp
1	648	540/145	USPAT; US-PGPUB	2004/03/31 14:13
3	276645	(carbonyl adj ylide)or synthesis	USPAT; US-PGPUB	2004/03/31 14:15
4	5021	photosensitizer	USPAT; US-PGPUB	2004/03/31 14:15
6	3449	tetraphenylporphyrin or diphenylporphyrin or TPP or DPP	USPAT	2004/03/31 14:16
7	31	540/145 and ((carbonyl adj ylide)or synthesis) and photosensitizer and (tetraphenylporphyrin or diphenylporphyrin or TPP or DPP)	USPAT	2004/03/31 14:17